Lecture Module - Electrical Instruments

ME3023 - Measurements in Mechanical Systems

Mechanical Engineering
Tennessee Technological University

Topic 2 - Prototype Circuits



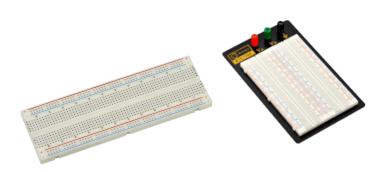
Topic 2 - Prototype Circuits

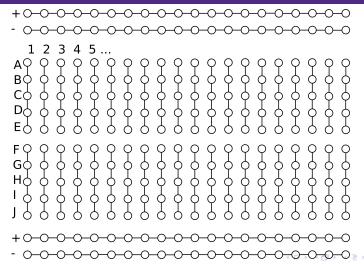
- Circuits for Mechanical Engineers
- Using a Solderless Breadboard
- Using a Desktop Power Supply
- Examples

Circuits for Mechanical Engineers

Engineering is an integrated field...







Using a Solderless Breadboard

Question: Why is the breadboard separated into sections? (note: this image shows 4 - top,bottom,top,bottom)

Using a Solderless Breadboard

Pros: Cons:

Common Mistakes:







Using a Desktop Power Supply



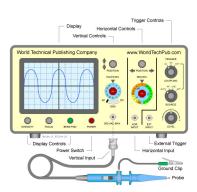
Using a Desktop Power Supply

Thought Exercise: How does a function generator work?

What is in the box?

Using a Desktop Power Supply

Examples



Examples

